

Success Breeds of Success

Looking Back on the Deactivation and Decommissioning Focus Area

1995-2001

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National Energy Technology Laboratory

What We Do...

U.S. & Foreign
Businesses



National
Labs

Universities
and Non-Profits

NETL Partners



Develop and
Demonstrate
Technologies



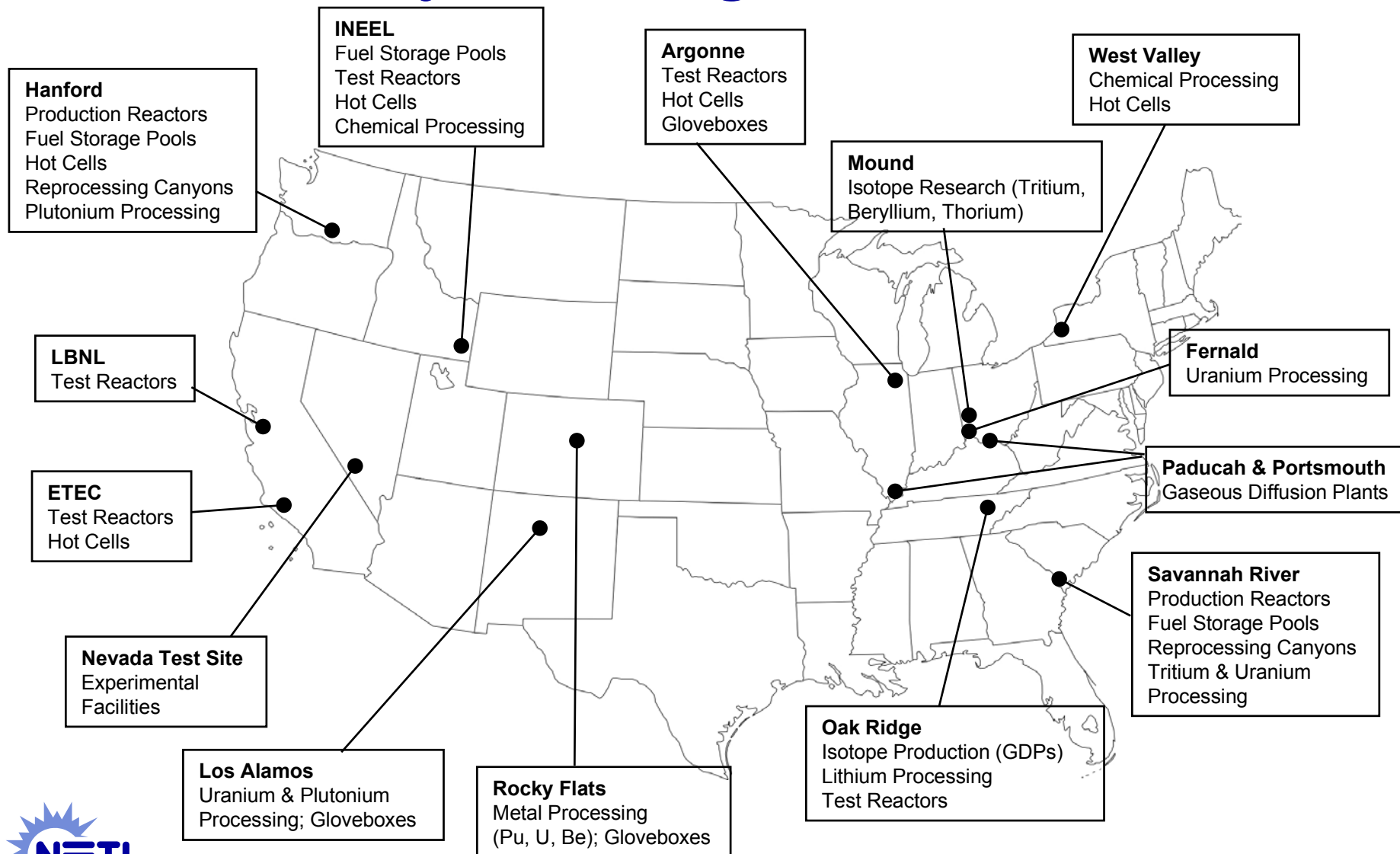
Multi-Site
Deployment



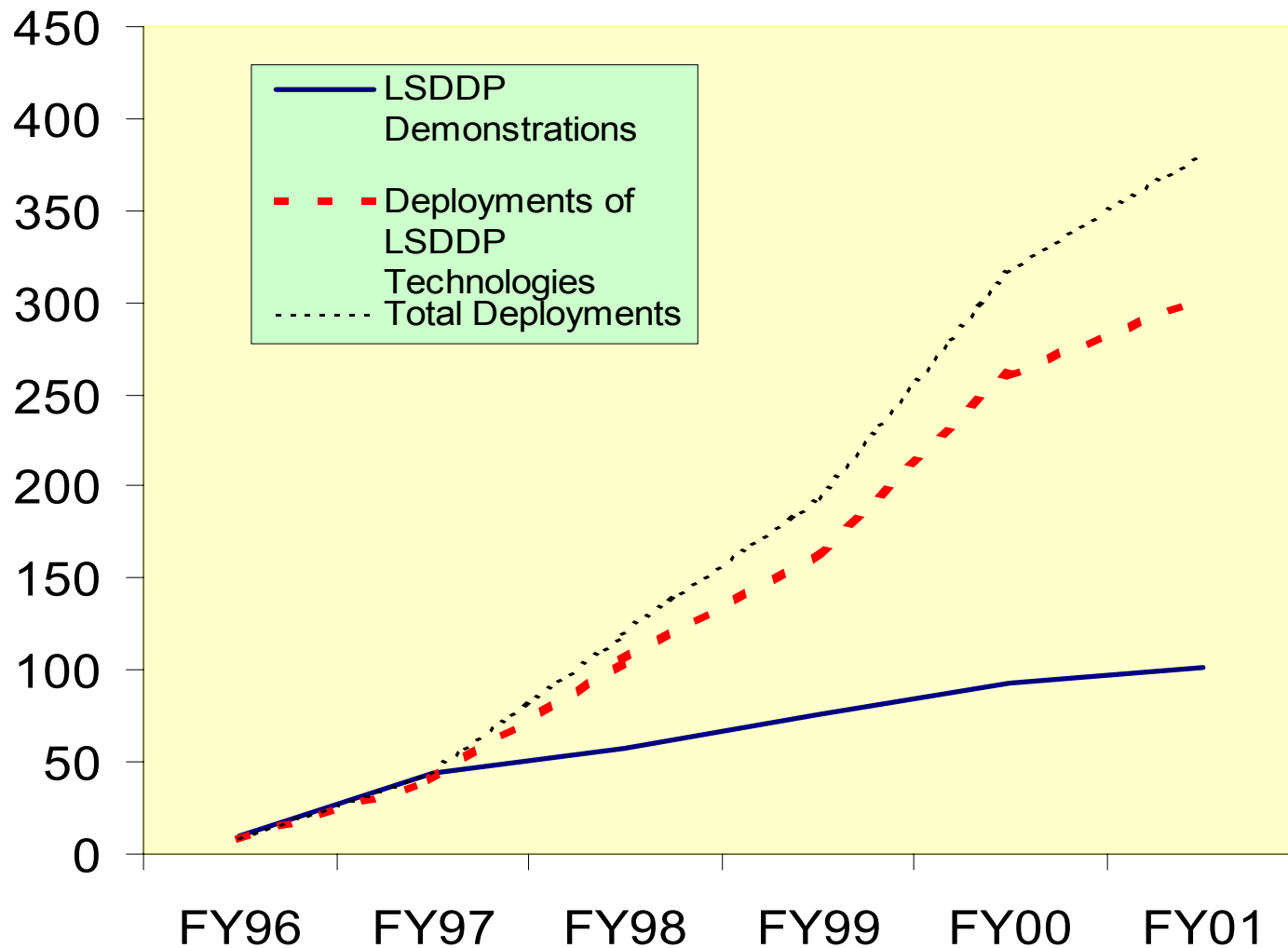
...Bring the Outside In



Major Challenges for D&D



A Measure of Success



Supported Award Winning Projects

One of DOE's
100 Best
Technological
Accomplishments
This Century



“We reinvented the way the government collaborates with industry in D&D” – Chicago Operations Office



Helping to Reduce the EM Footprint

Hanford 105-C Production Reactor

Interim Safe Storage



(Before)



(After)

Accelerating Closure Before “*Closure*” was Cool



Helping Rocky Go the Distance

Rocky Flats Initiative and ASTD projects; the one-two punch!

- seek to identify and deploy proven, commercially available technologies
- or, innovative systems that require only minimal modifications
- estimated LCC savings of over \$250 million



Helping to Keep Closure Sites on Track

D&D of Tritium Facilities and Equipment LSDDP - Mound

Intrusive and Non-Intrusive Characterization through Concrete Walls and Floors - Mound

Universal Demolition Processor – Fernald

Improved Measurement & Monitoring System – Fernald

Integrated Excavation Control System - Fernald

Diamond Wire Saw for Size Reduction of Reactor Bioshield - Columbus



But, Never Losing Sight of Other EM Sites



**INEEL Fuel Pools and
Associated Structure
LSDDP**



**LANL TRU Material
Disposition LSDDP &
Decontamination &
Volume Reduction
System ASTD**

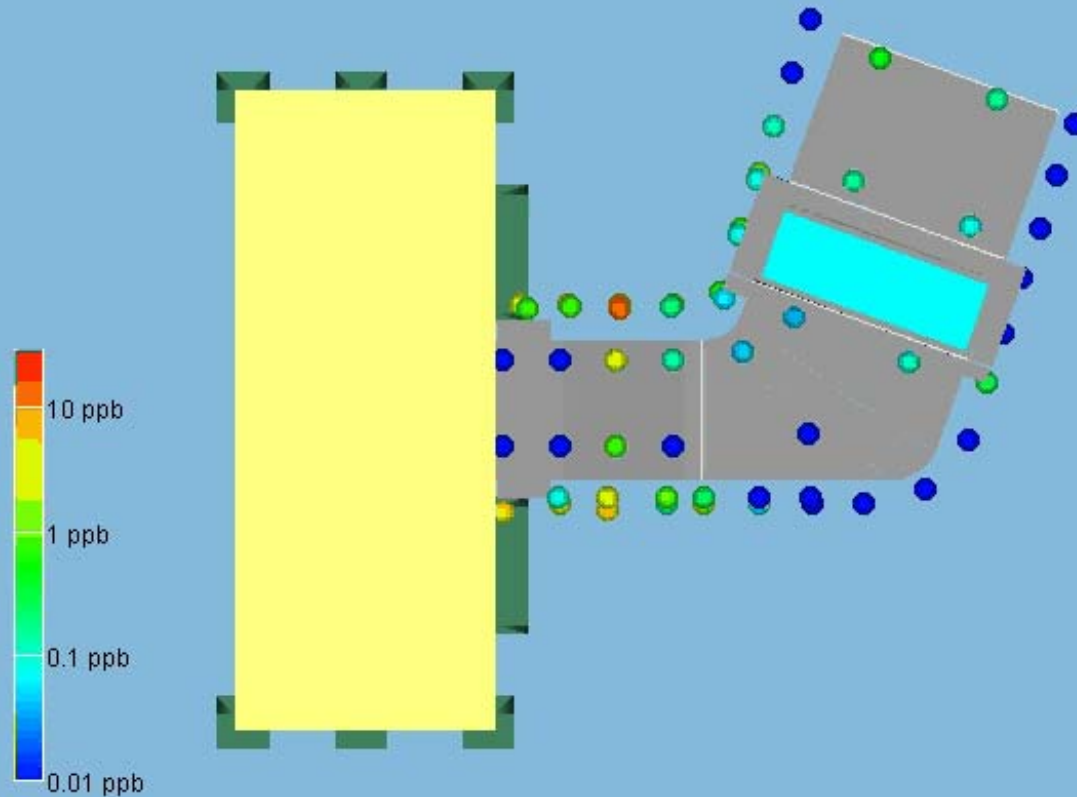


**SRS 321-M HEU
Facility Deactivation
LSDDP**

Providing Alternatives to Existing Baselines

EVS 3-D Visualization

PMCH February 12, 2001



And, Always with an Eye to the Future



Mound Facilities Long Term Stewardship (LTS) Initiative

Multi-year effort to demonstrate and evaluate a broad range of surveillance, monitoring, and data collection techniques capable of providing “real time” site assessment to remote locations autonomously.

Momentum Is Magic

Momentum is:

difficult to get...

easy to lose...

**but tougher to get
back once lost!**

**NETL has “momentum”
bringing innovative, safe,
cost-effective technologies to
facility D&D**

